Illinois Department of Transportation
Division of Highways
Kaskaskia Engineering Group, LLC

SOIL BORING LOG

Date 2/16,17/2010

ROUTE FAP 534 (IL 94/IL 116) DESCRIPTION IL 94 over Ellison Creek LOGGED BY KEG

SECTION 109BR-1 LOCATION Media TWP, NW 1/4, Sec 18, T9N, R4W and NE1/4 Sec 13, T9N, R5W

COUNTY Henderson DRILLING METHOD CME 55LC w/ HSA/Mud Rotary HAMMER TYPE Automatic

STRUCT. NO. 036-0004
Station

BORING NO. PN-BH#1
Station 270+11
Offset 47.0 ft Rt
Ground Surface Elev. 591.51 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 580.5 ft ▼
Upon Completion - ft
After - Hrs. - ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
CLAY LOAM: Grayish brown, trace fine gravel (A-7) (continued)			
	6		
	7	NC	28
-45	10		
544.51			
SILTY CLAY LOAM: Dark brown, trace to some organics (A-7)			
	6		
	11	1.0	29
-50	15	P	
539.51			
CLAY: Grayish brown, trace fine gravel (A-7)			
	6		
	7	2.5	21
-55	10	B	
	8		
	10	1.5	13
-60	14	B	
CLAY: Grayish brown, trace fine gravel (A-7) (continued)			
	15		
527.01			
	22	NC	
-65	28		
SAND: Gray, medium to coarse, trace to some fine gravel (A-1)			
Casing advanced to ?????? 524.51 due to sand washing in boring. End of drilling on 2/16/2010			
CLAY LOAM: Grayish brown, some sand, trace gravel (A-7)	-		
	9	2.0	16
-70	12	B	
519.51			
CLAY: Grayish brown, trace fine gravel (A-7)			
	5		
	7	2.1	20
-75	7	B	
	5		
	6	1.3	20
-80	11	B	

1st SPT N-value not obtained - AW rod slipped.

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Kaskaskia Engineering Group, LLC

SOIL BORING LOG

Date 2/16,17/2010

ROUTE FAP 534 (IL 94/IL 116) DESCRIPTION IL 94 over Ellison Creek LOGGED BY KEG

SECTION 109BR-1 LOCATION Media TWP, NW 1/4, Sec 18, T9N, R4W and NE1/4 Sec 13, T9N, R5W

COUNTY Henderson DRILLING METHOD CME 55LC w/ HSA/Mud Rotary HAMMER TYPE Automatic

STRUCT. NO. 036-0004
Station

BORING NO. PN-BH#1
Station 270+11
Offset 47.0 ft Rt
Ground Surface Elev. 591.51 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 580.5 ft ▼
Upon Completion - ft
After - Hrs. - ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
CLAY: Grayish brown, trace fine gravel (A-7) (continued)			
508.51			
CLAYEY SHALE: Brown	13		
	24	NC	19
-85	39		
Becomes gray	23		
	50	NC	16
-90	50/2"		
Becomes brown	50/2"	NC	12
	50/2"		
-95			
492.51	50/3"	NC	18
End of Boring	50/3"		
-100			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

FILE NAME = I:\08044_IL94\Cad\S_Plans\0360072-68693.dgn	USER NAME = elagemann	DESIGNED -	REVISED -
		CHECKED -	REVISED -
	PLOT SCALE =	DRAWN KAK	REVISED -
	PLOT DATE = 12/16/2010	CHECKED EML	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HORNER & SHIFRIN, INC. ENGINEERS

BORING LOGS
STRUCTURE NO. 036-0072
SHEET NO. 17 OF 20 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
534	109BR-1	HENDERSON	56	30
		CONTRACT NO. 68693		
		ILLINOIS FED. AID PROJECT		